

PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		AIRLINE PART No.	Miller PART No.	Storcor PART No.	Workman TV PART No.	
L1	Loopstick	E8035B				
L2	Oscillator	E8144A				
L3	Input IF	E8262A				
L4	Output IF	E8263A				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	REPLACEMENT DATA				NOTES
		AIRLINE PART No.	Miller PART No.	Storcor PART No.	Tried PART No.	
T1	1.8 1	E1132B				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		AIRLINE PART No.	Miller PART No.	Storcor PART No.	Tried PART No.	
T2	12000 CT 3-40	E1133B				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		AIRLINE PART No.	QUAM PART No.	
SPI	3 1/2" PM 3-40	E1059	3A05 *	* Trim Mounting to fit

BATTERIES

ITEM No.	VOLTAGE	REPLACEMENT DATA				NOTES
		AIRLINE PART No.	BURGESS PART No.	EVEREADY PART No.	MALLORY PART No.	
M1	1.5V 62-67		"A" 930 *	"B" 1015 *	"B" M-18R *	* 4 Required

SIGNAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA		NOTES
		AIRLINE PART No.	GENERAL ELECTRIC PART No.	
M2	3458	E2412		
M3	3458	E2412		Overload Detector

MISCELLANEOUS

ITEM No.	PART NAME	REPLACEMENT DATA		NOTES
		AIRLINE PART No.	NOTES	
M4	Tuning Cap. Printed Board	E3530B	2 Gang	

CABINETS & CABINET PARTS

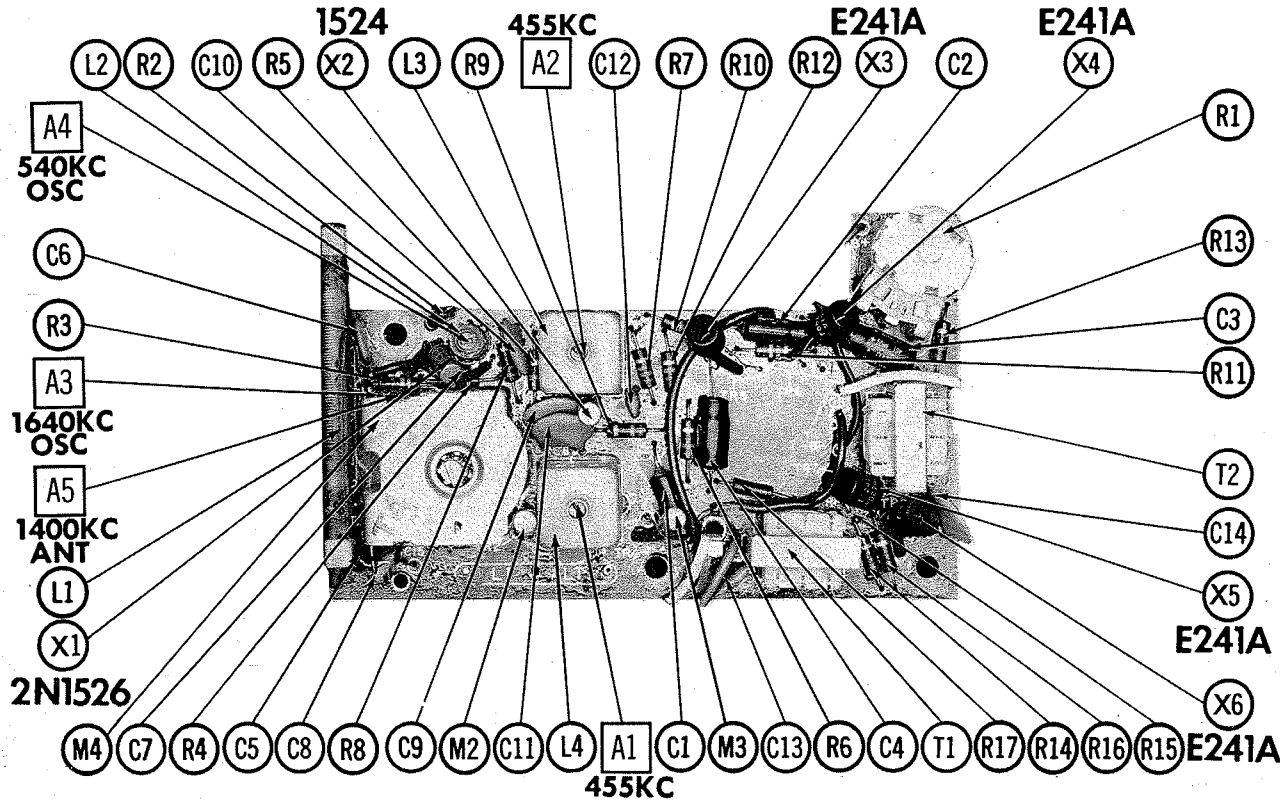
(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob	E50148C	Tuning Volume
Knob	E50147B	Back
Cabinet	E70109D	Front
Cabinet	E70108D	Metal, Carrying
Handle	E40135B	

WIRING DATA

General-use Unshielded Hook-up Wire Use Belden No. 8530 (Solid) Available in Ten Colors 8524 (Stranded) Available in Ten Colors		
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CHASSIS—TOP VIEW



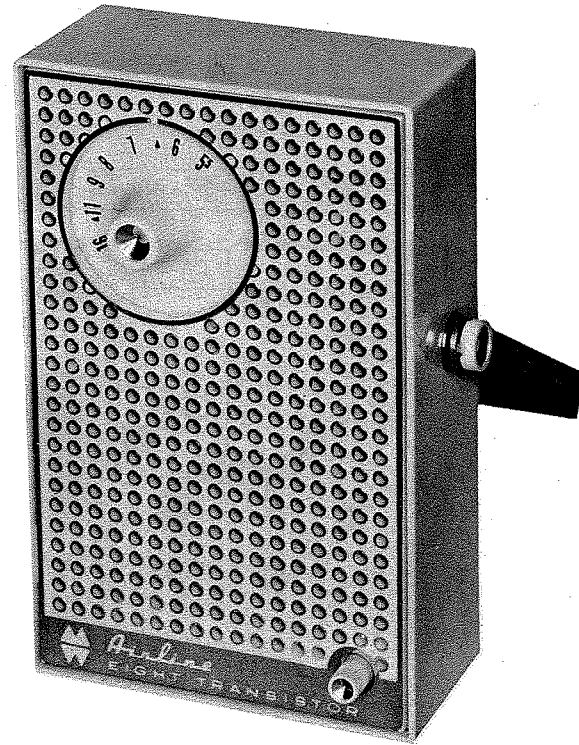
FOLDER 4
SET 546

PHOTOFACT® Folder

with CIRCUITRACE®

AIRLINE MODEL
GEN-1214A

AIRLINE MODEL
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AIRLINE MODEL
GEN-1214A

TRADE NAME Airline Model GEN-1214A
SUPPLIER Montgomery Ward & Co., 619 Chicago Ave., Chicago 7, Illinois
TYPE SET Battery Operated Transistorized Portable AM Receiver
POWER SUPPLY 6 Volts DC RATING 10MA @ 6 Volts DC (No Signal, Min. Volume)
TUNING RANGE—BROADCAST 540 — 1600KC 15MA @ 6 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT					
Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Suggested Alignment Tools: A1, A2, A4... GENERAL CEMENT #5009, 8195, 8274, 8275, 8728, 8729, 8987, 8988, 8989 WALSCO #2515, 2531, 2532 A3, A5... GENERAL CEMENT #5004, 5009, 8195, 8274, 8275, 8607, 8728, 8987, 8988, 8989, 9291 WALSCO #2515, 2520, 2522, 2523, 2531, 2532, 2534, 2537, 2538					
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. Loop	455KC (400% Mod.)	Tuning gang fully open.	Across voice coil.	A1, A2	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
2. "	1640KC	"	"	A3	"
3. "	540KC	Tuning gang fully closed.	"	A4	"
4. "	1400KC	1400KC Signal.	"	A5	Adjust for maximum output. Repeat Steps 2, 3 and 4.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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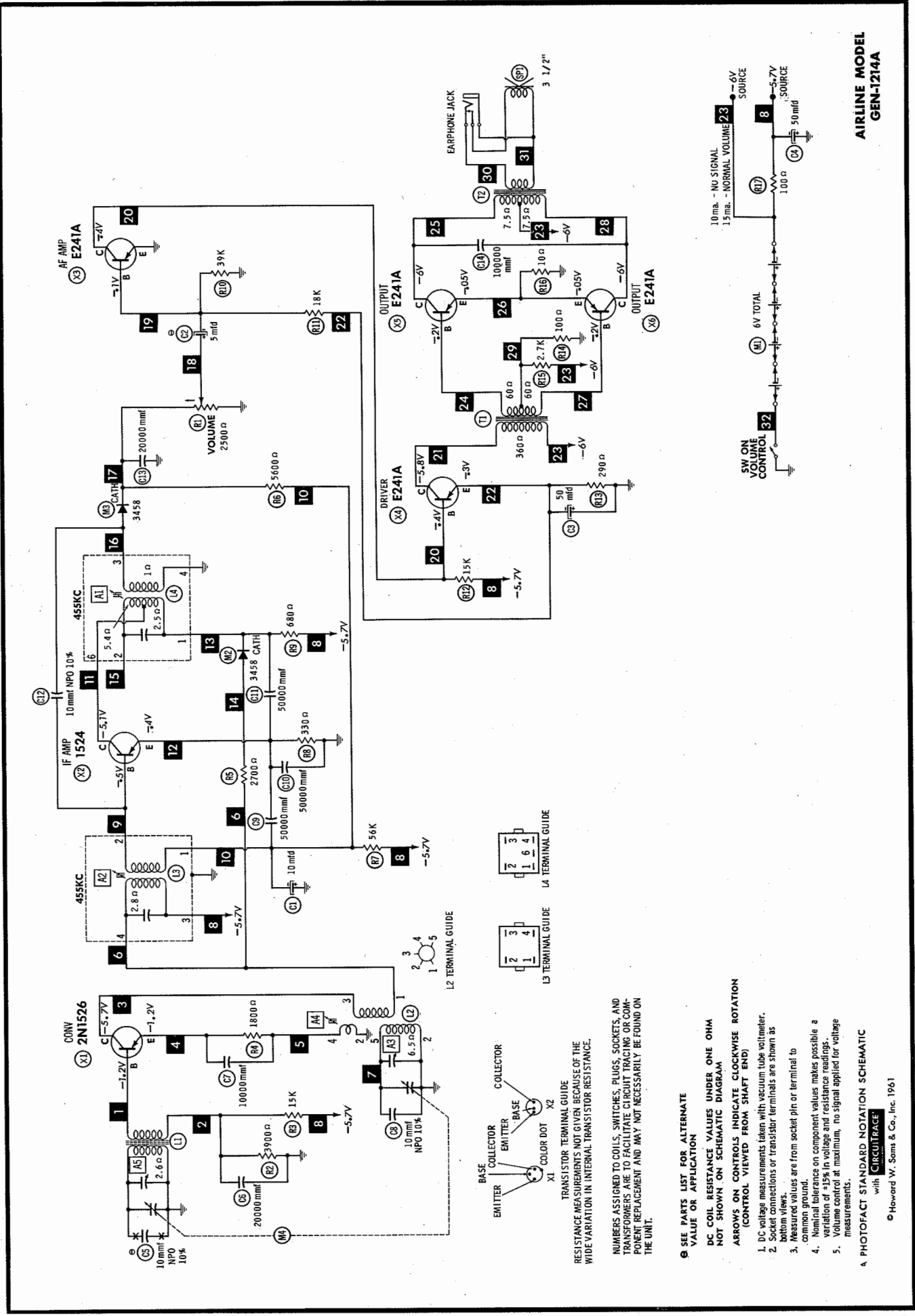
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DATE 9-61

SET 546

FOLDER 4

SET 546
FOLDER 4



AIRLINE MODEL
GEN-1214A

PARTS LIST AND DESCRIPTIONS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			RCA PART No.	RAYTHEON PART No.	SYLVANIA PART No.		
X1	2N1526	Converter				PNP	
X2	1524	IF Amplifier				PNP	
X3	2N1524*	IF Amplifier				PNP	
X4	3550*	AF Amplifier				PNP	
X5	E241A	Driver				PNP	
X6	3550*	Driver				PNP	
X7	E241A	Output				PNP	
X8	2N406*	Output				PNP	
			2N406	2N382	2N406		
			2N406	2N382	2N406		

* Alternate Type.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP. VOLT.	AIRLINE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.	NOTES
C1	10	E3238	PTT39	NLW10-15	TT12X10	MLV10-10	TE-114	
C2	5	E3240	PTT37	NLW5-15	TT12X5	MLV5-12	TE-117	
C3	50	E3240	PTT45	NLW50-10	TT10X50	MLV50-10	TE-119	
C4	50	E3240	PTT45	NLW50-10	TT10X50	MLV50-10	TE-119	

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				SPRAGUE PART No.
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELUMCO PART No.	
C5	10 NPO 10%	Note 1	NFO-DI 10	DTZ-10	CIQ1C	CNO-410	10TCC-Q10
C6	20000		BFD-02	DD-203	H-0582	TA-120	TG-S20
C7	10000		BFD-01	DD-103	H-0581	TA-110	TG-S10
C8	10 NPO 10%		NFO-DI 10	DTZ-10	CIQ1C	CNO-410	10TCC-Q10
C9	50000		BFD-05	DD-503	H-0585	TA-150	TG-S50
C10	50000		BFD-05	DD-503	H-0585	TA-150	TG-S50
C11	50000		BFD-05	DD-503	H-0585	TA-150	TG-S50
C12	10 NPO 10%		NFO-DI 10	DTZ-10	CIQ1C	CNO-410	10TCC-Q10
C13	20000		BFD-02	DD-203	H-0582	TA-120	TG-S20
C14	100000		C80V104AM	DDA-104	H-05P1	TA-010	TG-P10

Note 1. Not used in some versions.

CONTROLS

ITEM No.	RATING	RESISTANCE	REPLACEMENT DATA			INSTALLATION NOTES
			AIRLINE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	
RIA	5000Ω	Switch	E2556A			Volume Power Off-On.
B						

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA		REPLACEMENT DATA	
		WORKMAN PART No.	REMARKS	IRC PART No.	REMARKS
R2	3900Ω				
R3	15K				
R4	1800Ω				
R5	2700Ω				
R6	5800Ω				
R7	58K				
R8	330Ω				
R9	680Ω				
R10	39K				
R11	18K				
R12	15K				
R13	290Ω				
R14	100Ω				
R15	2700Ω				
R16	100Ω				
R17	100Ω				

AIRLINE MODEL
GEN-1214A

PRINTED BOARD

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